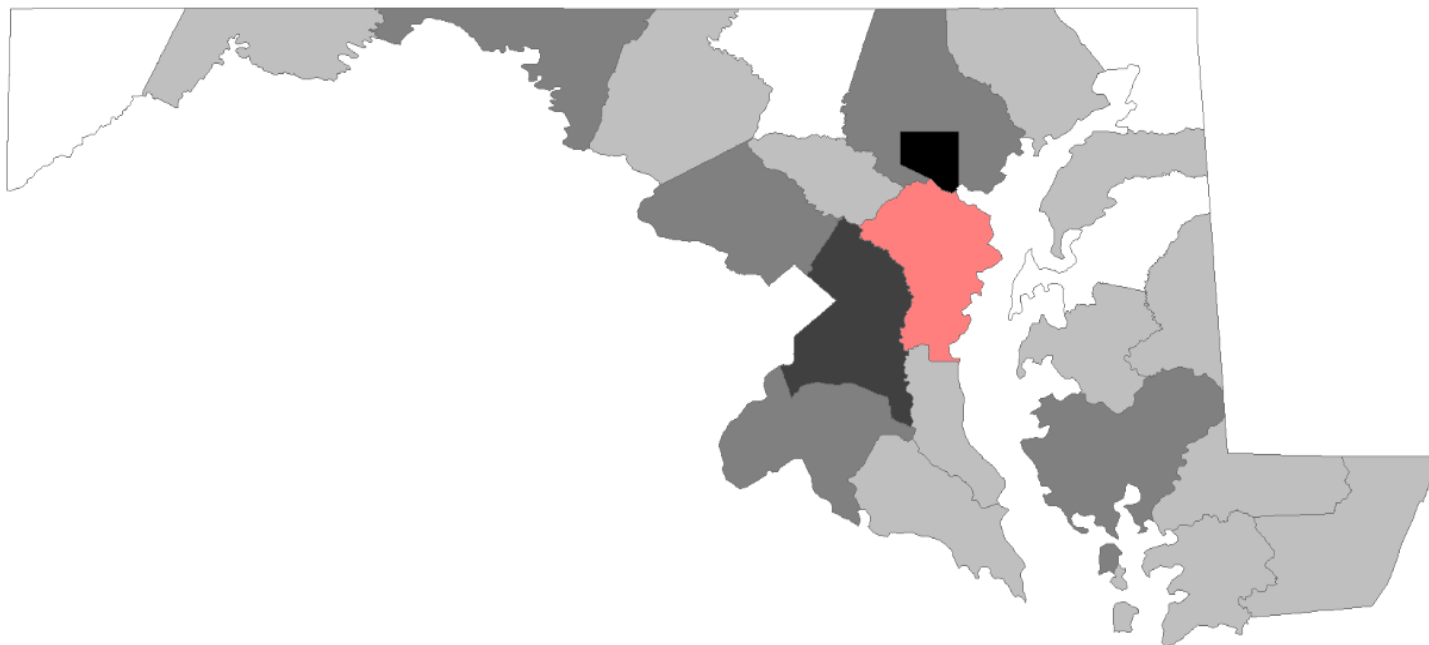


2015



Anne Arundel County HIV Annual Epidemiological Profile

Data reported through June 30, 2016

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Epidemiology and Outbreak Response Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
<http://phpa.dhmmh.maryland.gov/OIDEOR/CHSE>
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmfh.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 6/30/2016. Nationally, it has been estimated that 13.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 16.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

In addition to providing estimates of prevalent cases by residence at HIV diagnosis, this epidemiological profile includes estimates for HIV cases whose current residence as of 6/30/2016 was in Maryland. Current residence data are restricted

to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2016. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may be residents of Maryland but have fallen out of care during the most recent seven years. Current residence utilizes addresses as recent as 2016 but uses laboratory data from 2015 to allow for laboratory reporting.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (six months after December 31st of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2015 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2015-12/31/2015, as reported by name through 6/30/2016.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 6/30/2016 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 6/30/2016.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2016.

Population data by sex, age, and race/ethnicity are from the July 1, 2015 U.S. Census Estimates and by country-of-birth from the 2014 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2016 HIV Surveillance Supplemental Report published July 2016. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

MSM (Men who have Sex with Men): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

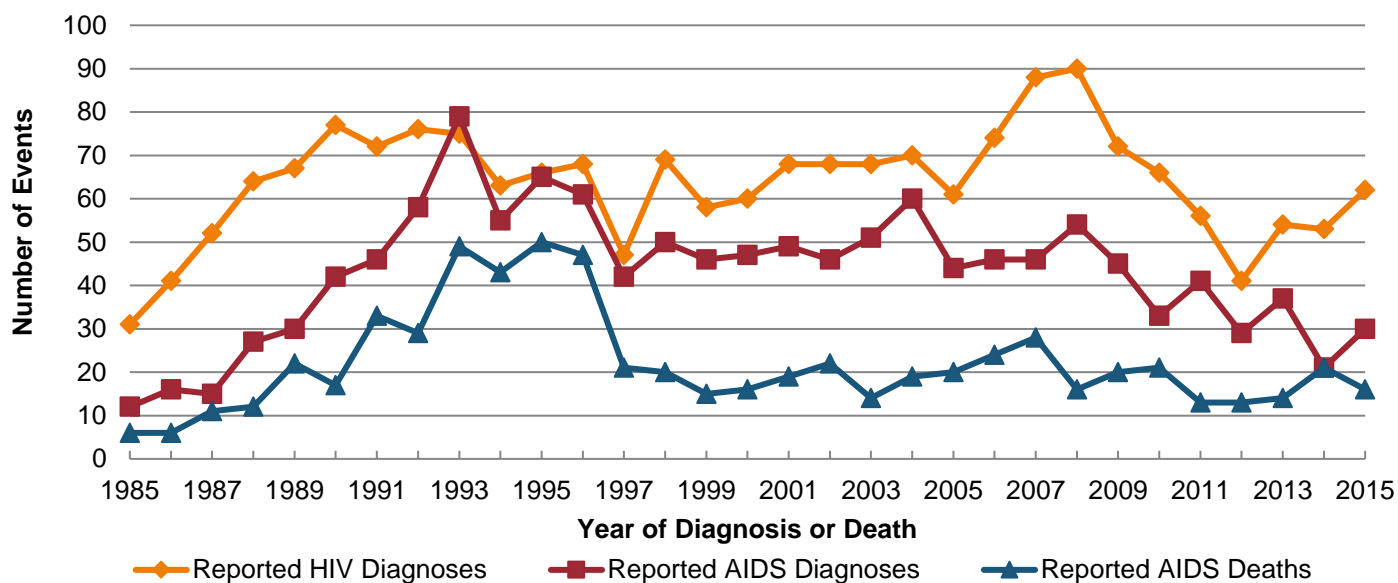
Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Perinatal Exposure: Any baby born to an HIV positive mother.

Section II – Trends 1985-2015

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2015 as Reported through 6/30/2016



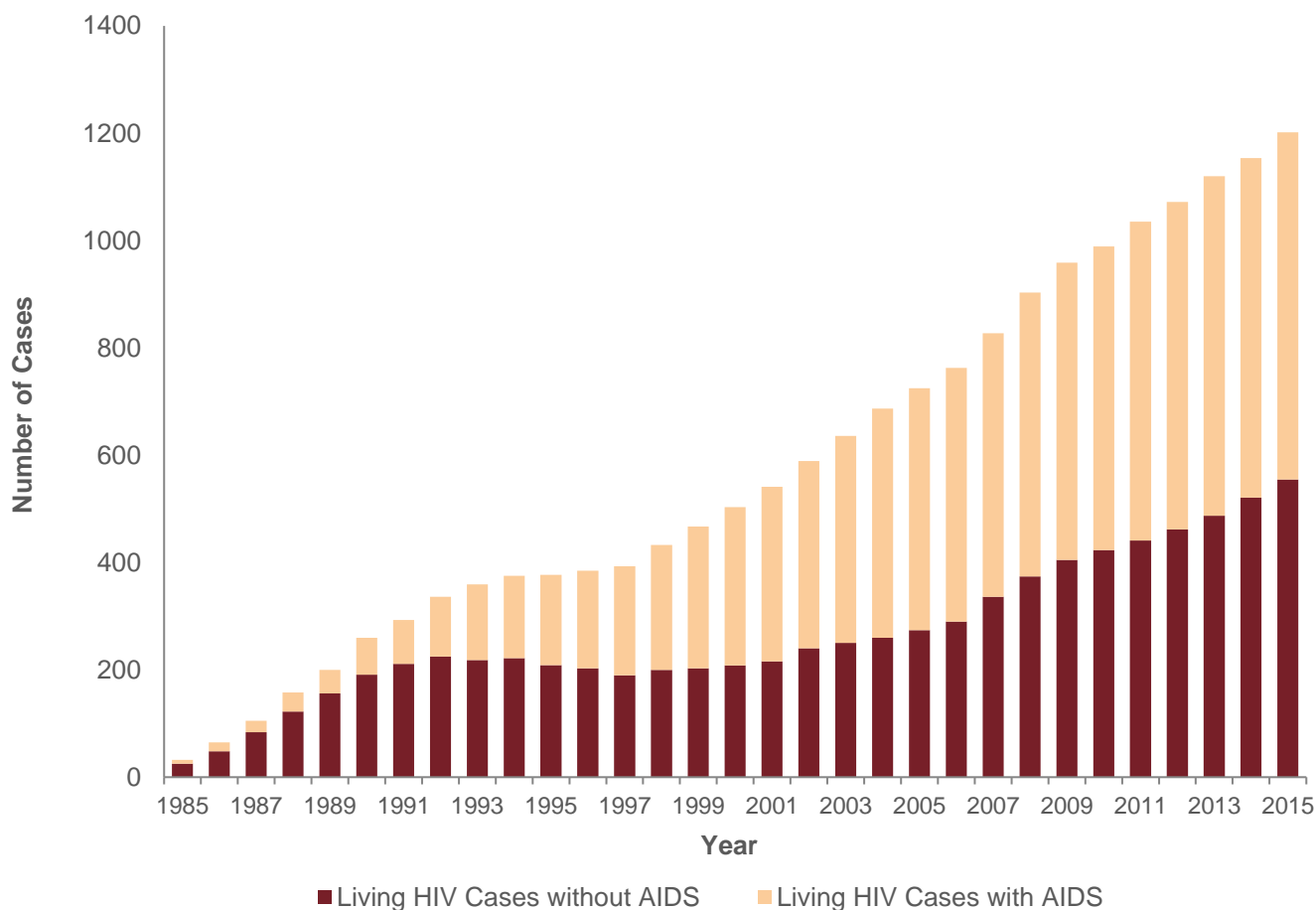
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	12	5	4	2000	60	47	16
1985	31	12	6	2001	68	49	19
1986	41	16	6	2002	68	46	22
1987	52	15	11	2003	68	51	14
1988	64	27	12	2004	70	60	19
1989	67	30	22	2005	61	44	20
1990	77	42	17	2006	74	46	24
1991	72	46	33	2007	88	46	28
1992	76	58	29	2008	90	54	16
1993	75	79	49	2009	72	45	20
1994	63	55	43	2010	66	33	21
1995	66	65	50	2011	56	41	13
1996	68	61	47	2012	41	29	13
1997	47	42	21	2013	54	37	14
1998	69	50	20	2014*	53	21	21
1999	58	46	15	2015*	62	30	16
				TOTAL	1,989	1,328	681

*2014-2015 reported AIDS Deaths are preliminary

Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016

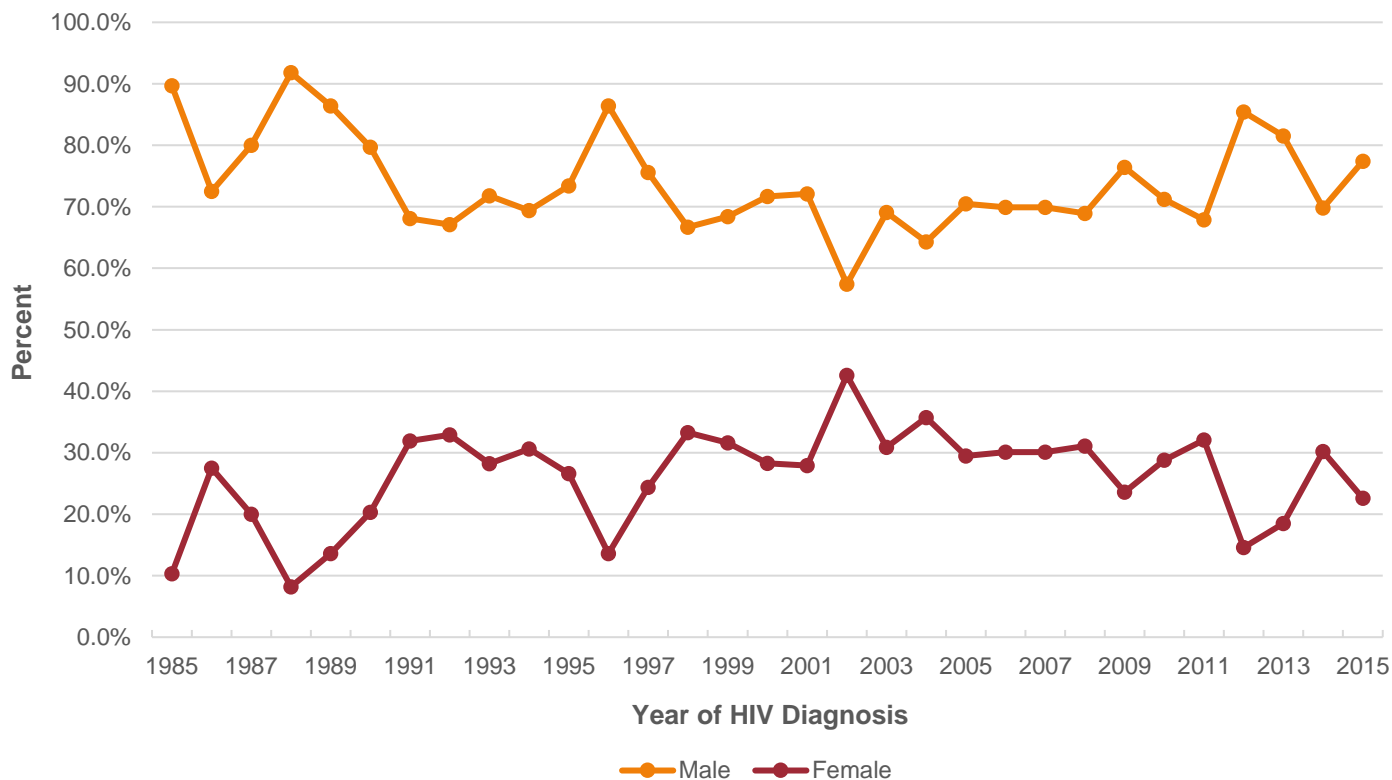
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2015, as Reported through 6/30/2016



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	25	7	32	2000	208	295	503
1986	48	17	65	2001	216	325	541
1987	84	21	105	2002	240	349	589
1988	122	36	158	2003	250	386	636
1989	156	44	200	2004	260	427	687
1990	191	69	260	2005	274	451	725
1991	211	82	293	2006	290	473	763
1992	225	111	336	2007	336	491	827
1993	218	141	359	2008	374	529	903
1994	222	153	375	2009	405	554	959
1995	209	168	377	2010	423	566	989
1996	203	182	385	2011	441	594	1,035
1997	190	203	393	2012	462	610	1,072
1998	200	233	433	2013	487	633	1,120
1999	203	264	467	2014	521	633	1,154
				2015	555	647	1,202

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016

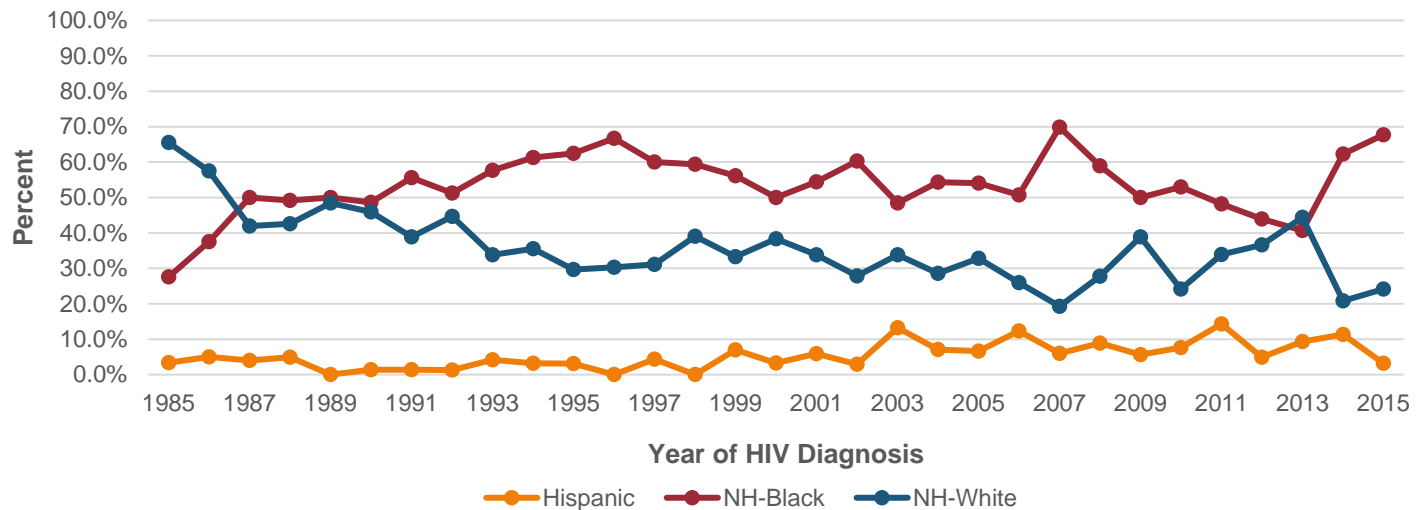
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	12	91.7%	8.3%	2000	60	71.7%	28.3%
1985	29	89.7%	10.3%	2001	68	72.1%	27.9%
1986	40	72.5%	27.5%	2002	68	57.4%	42.6%
1987	50	80.0%	20.0%	2003	68	69.1%	30.9%
1988	61	91.8%	8.2%	2004	70	64.3%	35.7%
1989	66	86.4%	13.6%	2005	61	70.5%	29.5%
1990	74	79.7%	20.3%	2006	73	69.9%	30.1%
1991	72	68.1%	31.9%	2007	83	69.9%	30.1%
1992	76	67.1%	32.9%	2008	90	68.9%	31.1%
1993	71	71.8%	28.2%	2009	72	76.4%	23.6%
1994	62	69.4%	30.6%	2010	66	71.2%	28.8%
1995	64	73.4%	26.6%	2011	56	67.9%	32.1%
1996	66	86.4%	13.6%	2012	41	85.4%	14.6%
1997	45	75.6%	24.4%	2013	54	81.5%	18.5%
1998	69	66.7%	33.3%	2014	53	69.8%	30.2%
1999	57	68.4%	31.6%	2015	62	77.4%	22.6%
				TOTAL	1,959	73.3%	26.7%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016

Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016

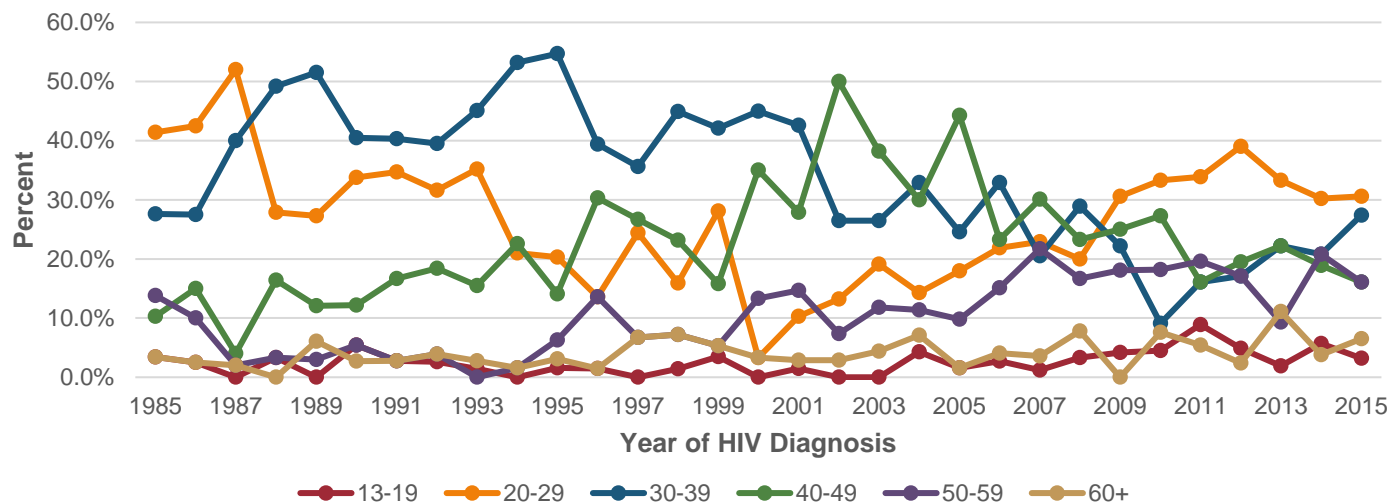


Non-Hispanic Other race not shown

YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only
				% Non-Hispanic Other Race
<1985	12	0.0%	25.0%	75.0%
1985	29	3.4%	27.6%	65.5%
1986	40	5.0%	37.5%	57.5%
1987	50	4.0%	50.0%	42.0%
1988	61	4.9%	49.2%	42.6%
1989	66	0.0%	50.0%	48.5%
1990	74	1.4%	48.6%	45.9%
1991	72	1.4%	55.6%	38.9%
1992	76	1.3%	51.3%	44.7%
1993	71	4.2%	57.7%	33.8%
1994	62	3.2%	61.3%	35.5%
1995	64	3.1%	62.5%	29.7%
1996	66	0.0%	66.7%	30.3%
1997	45	4.4%	60.0%	31.1%
1998	69	0.0%	59.4%	39.1%
1999	57	7.0%	56.1%	33.3%
2000	60	3.3%	50.0%	38.3%
2001	68	5.9%	54.4%	33.8%
2002	68	2.9%	60.3%	27.9%
2003	68	13.2%	48.5%	33.8%
2004	70	7.1%	54.3%	28.6%
2005	61	6.6%	54.1%	32.8%
2006	73	12.3%	50.7%	26.0%
2007	83	6.0%	69.9%	19.3%
2008	90	8.9%	58.9%	27.8%
2009	72	5.6%	50.0%	38.9%
2010	66	7.6%	53.0%	24.2%
2011	56	14.3%	48.2%	33.9%
2012	41	4.9%	43.9%	36.6%
2013	54	9.3%	40.7%	44.4%
2014	53	11.3%	62.3%	20.8%
2015	62	3.2%	67.7%	24.2%
TOTAL	1,959	5.3%	54.4%	35.1%
				5.3%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016

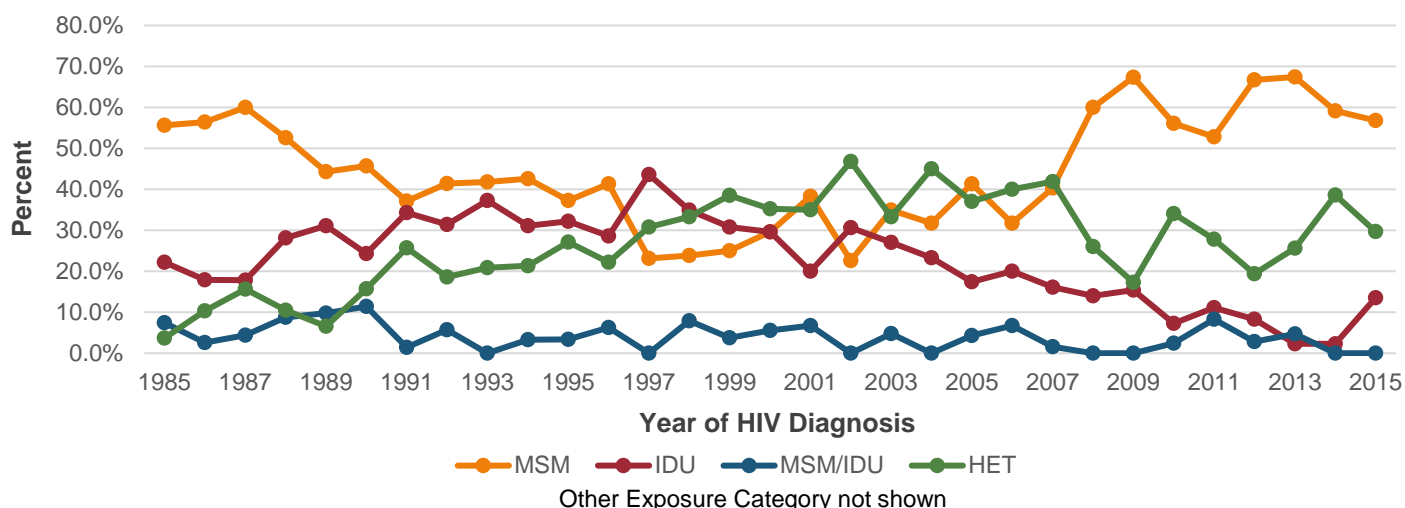
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	12	16.7%	41.7%	33.3%	8.3%	0.0%	0.0%
1985	29	3.4%	41.4%	27.6%	10.3%	13.8%	3.4%
1986	40	2.5%	42.5%	27.5%	15.0%	10.0%	2.5%
1987	50	0.0%	52.0%	40.0%	4.0%	2.0%	2.0%
1988	61	3.3%	27.9%	49.2%	16.4%	3.3%	0.0%
1989	66	0.0%	27.3%	51.5%	12.1%	3.0%	6.1%
1990	74	5.4%	33.8%	40.5%	12.2%	5.4%	2.7%
1991	72	2.8%	34.7%	40.3%	16.7%	2.8%	2.8%
1992	76	2.6%	31.6%	39.5%	18.4%	3.9%	3.9%
1993	71	1.4%	35.2%	45.1%	15.5%	0.0%	2.8%
1994	62	0.0%	21.0%	53.2%	22.6%	1.6%	1.6%
1995	64	1.6%	20.3%	54.7%	14.1%	6.3%	3.1%
1996	66	1.5%	13.6%	39.4%	30.3%	13.6%	1.5%
1997	45	0.0%	24.4%	35.6%	26.7%	6.7%	6.7%
1998	69	1.4%	15.9%	44.9%	23.2%	7.2%	7.2%
1999	57	3.5%	28.1%	42.1%	15.8%	5.3%	5.3%
2000	60	0.0%	3.3%	45.0%	35.0%	13.3%	3.3%
2001	68	1.5%	10.3%	42.6%	27.9%	14.7%	2.9%
2002	68	0.0%	13.2%	26.5%	50.0%	7.4%	2.9%
2003	68	0.0%	19.1%	26.5%	38.2%	11.8%	4.4%
2004	70	4.3%	14.3%	32.9%	30.0%	11.4%	7.1%
2005	61	1.6%	18.0%	24.6%	44.3%	9.8%	1.6%
2006	73	2.7%	21.9%	32.9%	23.3%	15.1%	4.1%
2007	83	1.2%	22.9%	20.5%	30.1%	21.7%	3.6%
2008	90	3.3%	20.0%	28.9%	23.3%	16.7%	7.8%
2009	72	4.2%	30.6%	22.2%	25.0%	18.1%	0.0%
2010	66	4.5%	33.3%	9.1%	27.3%	18.2%	7.6%
2011	56	8.9%	33.9%	16.1%	16.1%	19.6%	5.4%
2012	41	4.9%	39.0%	17.1%	19.5%	17.1%	2.4%
2013	54	1.9%	33.3%	22.2%	22.2%	9.3%	11.1%
2014	53	5.7%	30.2%	20.8%	18.9%	20.8%	3.8%
2015	62	3.2%	30.6%	27.4%	16.1%	16.1%	6.5%
TOTAL	1,959	2.6%	25.7%	34.1%	23.1%	10.5%	4.1%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	12	12	50.0%	16.7%	8.3%	0.0%	25.0%
1985	29	27	55.6%	22.2%	7.4%	3.7%	11.1%
1986	40	39	56.4%	17.9%	2.6%	10.3%	12.8%
1987	50	45	60.0%	17.8%	4.4%	15.6%	2.2%
1988	61	57	52.6%	28.1%	8.8%	10.5%	0.0%
1989	66	61	44.3%	31.1%	9.8%	6.6%	8.2%
1990	74	70	45.7%	24.3%	11.4%	15.7%	2.9%
1991	72	70	37.1%	34.3%	1.4%	25.7%	1.4%
1992	76	70	41.4%	31.4%	5.7%	18.6%	2.9%
1993	71	67	41.8%	37.3%	0.0%	20.9%	0.0%
1994	62	61	42.6%	31.1%	3.3%	21.3%	1.6%
1995	64	59	37.3%	32.2%	3.4%	27.1%	0.0%
1996	66	63	41.3%	28.6%	6.3%	22.2%	1.6%
1997	45	39	23.1%	43.6%	0.0%	30.8%	2.6%
1998	69	63	23.8%	34.9%	7.9%	33.3%	0.0%
1999	57	52	25.0%	30.8%	3.8%	38.5%	1.9%
2000	60	54	29.6%	29.6%	5.6%	35.2%	0.0%
2001	68	60	38.3%	20.0%	6.7%	35.0%	0.0%
2002	68	62	22.6%	30.6%	0.0%	46.8%	0.0%
2003	68	63	34.9%	27.0%	4.8%	33.3%	0.0%
2004	70	60	31.7%	23.3%	0.0%	45.0%	0.0%
2005	61	46	41.3%	17.4%	4.3%	37.0%	0.0%
2006	73	60	31.7%	20.0%	6.7%	40.0%	1.7%
2007	83	62	40.3%	16.1%	1.6%	41.9%	0.0%
2008	90	50	60.0%	14.0%	0.0%	26.0%	0.0%
2009	72	52	67.3%	15.4%	0.0%	17.3%	0.0%
2010	66	41	56.1%	7.3%	2.4%	34.1%	0.0%
2011	56	36	52.8%	11.1%	8.3%	27.8%	0.0%
2012	41	36	66.7%	8.3%	2.8%	19.4%	2.8%
2013	54	43	67.4%	2.3%	4.7%	25.6%	0.0%
2014	53	44	59.1%	2.3%	0.0%	38.6%	0.0%
2015*	62	37	56.8%	13.5%	0.0%	29.7%	0.0%
TOTAL	1,959	1,661	43.2%	23.9%	4.2%	27.1%	1.7%

*2015 reported HIV exposure data are preliminary

Section III – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
20711	5,931	1	1.6%	16.9	***	***	***	***	***	***	***
20714	836	0	0.0%	0.0	--	--	--	--	--	--	--
20724	13,855	7	11.3%	50.5	6	85.7%	***	***	5	71.4%	165
20733	2,379	0	0.0%	0.0	--	--	--	--	--	--	--
20736	9	0	0.0%	0.0	--	--	--	--	--	--	--
20751	2,129	0	0.0%	0.0	--	--	--	--	--	--	--
20754	927	0	0.0%	0.0	--	--	--	--	--	--	--
20755	6,684	1	1.6%	15.0	***	***	***	***	***	***	***
20758	666	0	0.0%	0.0	--	--	--	--	--	--	--
20764	3,699	0	0.0%	0.0	--	--	--	--	--	--	--
20765	499	0	0.0%	0.0	--	--	--	--	--	--	--
20776	2,936	1	1.6%	34.1	***	***	***	***	***	***	***
20778	1,787	0	0.0%	0.0	--	--	--	--	--	--	--
20779	1,064	0	0.0%	0.0	--	--	--	--	--	--	--
20794	6,594	0	0.0%	0.0	--	--	--	--	--	--	--
21012	18,706	1	1.6%	5.3	***	***	***	***	***	***	***
21032	7,934	0	0.0%	0.0	--	--	--	--	--	--	--
21035	6,878	0	0.0%	0.0	--	--	--	--	--	--	--
21037	18,231	0	0.0%	0.0	--	--	--	--	--	--	--
21054	8,889	0	0.0%	0.0	--	--	--	--	--	--	--
21056	251	0	0.0%	0.0	--	--	--	--	--	--	--
21060	26,164	8	12.9%	30.6	***	***	***	***	***	***	***
21061	47,194	5	8.1%	10.6	***	***	***	***	***	***	***
21076	9,976	3	4.8%	30.1	***	***	***	***	***	***	***
21077	199	0	0.0%	0.0	--	--	--	--	--	--	--
21090	8,928	1	1.6%	11.2	***	***	***	***	***	***	***
21108	15,530	1	1.6%	6.4	***	***	***	***	***	***	***
21113	25,988	5	8.1%	19.2	***	***	***	***	***	***	***
21114	21,435	1	1.6%	4.7	***	***	***	***	***	***	***
21122	53,419	4	6.5%	7.5	***	***	***	***	***	***	***
21140	3,036	0	0.0%	0.0	--	--	--	--	--	--	--
21144	27,063	4	6.5%	14.8	***	***	***	***	***	***	***
21146	23,174	1	1.6%	4.3	***	***	***	***	***	***	***
21225	12,718	5	8.1%	39.3	***	***	***	***	***	***	***
21226	3,737	0	0.0%	0.0	--	--	--	--	--	--	--
21401	32,797	6	9.7%	18.3	***	***	***	***	5	83.3%	582
21402	5,252	0	0.0%	0.0	--	--	--	--	--	--	--
21403	27,159	5	8.1%	18.4	***	***	***	***	***	***	***
21405	496	0	0.0%	0.0	--	--	--	--	--	--	--

21409	17,348	2	3.2%	11.5	***	***	***	***	***	***	***
TOTAL	472,498	62	100.0%	13.1	49	79.0%	16	25.8%	50	80.6%	345

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
20711	5,931	0	0.0%	0.0	--	--
20714	836	0	0.0%	0.0	--	--
20724	13,855	4	13.3%	28.9	***	***
20733	2,379	0	0.0%	0.0	--	--
20736	9	0	0.0%	0.0	--	--
20751	2,129	0	0.0%	0.0	--	--
20754	927	0	0.0%	0.0	--	--
20755	6,684	0	0.0%	0.0	--	--
20758	666	0	0.0%	0.0	--	--
20764	3,699	0	0.0%	0.0	--	--
20765	499	0	0.0%	0.0	--	--
20776	2,936	0	0.0%	0.0	--	--
20778	1,787	0	0.0%	0.0	--	--
20779	1,064	0	0.0%	0.0	--	--
20794	6,594	1	3.3%	15.2	***	***
21012	18,706	2	6.7%	10.7	***	***
21032	7,934	0	0.0%	0.0	--	--
21035	6,878	0	0.0%	0.0	--	--
21037	18,231	0	0.0%	0.0	--	--
21054	8,889	0	0.0%	0.0	--	--
21056	251	0	0.0%	0.0	--	--
21060	26,164	2	6.7%	7.6	***	***
21061	47,194	4	13.3%	8.5	***	***
21076	9,976	2	6.7%	20.0	***	***
21077	199	0	0.0%	0.0	--	--
21090	8,928	0	0.0%	0.0	--	--
21108	15,530	0	0.0%	0.0	--	--
21113	25,988	1	3.3%	3.8	***	***
21114	21,435	0	0.0%	0.0	--	--
21122	53,419	2	6.7%	3.7	***	***
21140	3,036	0	0.0%	0.0	--	--
21144	27,063	1	3.3%	3.7	***	***
21146	23,174	1	3.3%	4.3	***	***
21225	12,718	4	13.3%	31.5	***	***
21226	3,737	0	0.0%	0.0	--	--
21401	32,797	5	16.7%	15.2	5.3	20.0%
21402	5,252	0	0.0%	0.0	--	--
21403	27,159	1	3.3%	3.7	***	***
21405	496	0	0.0%	0.0	--	--
21409	17,348	0	0.0%	0.0	--	--
TOTAL	472,498	30	100.0%	6.3	3.8	56.7%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
20711	5,931	6	1.1%	101.2	7	1.1%	118.0	13	1.1%	219.2	456
20714	836	***	***	***	***	***	***	***	***	***	***
20724	13,855	38	7.0%	274.3	44	6.9%	317.6	82	6.9%	591.9	168
20733	2,379	3	0.5%	126.1	1	0.2%	42.0	4	0.3%	168.1	594
20736	9	***	***	***	***	***	***	***	***	***	***
20751	2,129	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20754	927	***	***	***	***	***	***	***	***	***	***
20755	6,684	7	1.3%	104.7	4	0.6%	59.8	11	0.9%	164.6	607
20758	666	***	***	***	***	***	***	***	***	***	***
20764	3,699	1	0.2%	27.0	4	0.6%	108.1	5	0.4%	135.2	739
20765	499	***	***	***	***	***	***	***	***	***	***
20776	2,936	3	0.5%	102.2	1	0.2%	34.1	4	0.3%	136.2	734
20778	1,787	2	0.4%	111.9	0	0.0%	0.0	2	0.2%	111.9	893
20779	1,064	0	0.0%	0.0	1	0.2%	94.0	1	0.1%	94.0	1,064
20794	6,594	7	1.3%	106.2	14	2.2%	212.3	21	1.8%	318.5	314
21012	18,706	11	2.0%	58.8	12	1.9%	64.1	23	1.9%	123.0	813
21032	7,934	4	0.7%	50.4	8	1.3%	100.8	12	1.0%	151.3	661
21035	6,878	4	0.7%	58.2	1	0.2%	14.5	5	0.4%	72.7	1,375
21037	18,231	10	1.8%	54.9	13	2.1%	71.3	23	1.9%	126.2	792
21054	8,889	6	1.1%	67.5	7	1.1%	78.8	13	1.1%	146.3	683
21056	251	***	***	***	***	***	***	***	***	***	***
21060	26,164	37	6.8%	141.4	43	6.8%	164.3	80	6.8%	305.8	327
21061	47,194	92	16.8%	194.9	95	15.0%	201.3	187	15.8%	396.2	252
21076	9,976	10	1.8%	100.2	11	1.7%	110.3	21	1.8%	210.5	475
21077	199	***	***	***	***	***	***	***	***	***	***
21090	8,928	10	1.8%	112.0	4	0.6%	44.8	14	1.2%	156.8	637
21108	15,530	10	1.8%	64.4	9	1.4%	58.0	19	1.6%	122.3	817
21113	25,988	31	5.7%	119.3	29	4.6%	111.6	60	5.1%	230.9	433
21114	21,435	21	3.8%	98.0	12	1.9%	56.0	33	2.8%	154.0	649
21122	53,419	31	5.7%	58.0	43	6.8%	80.5	74	6.3%	138.5	721
21140	3,036	3	0.5%	98.8	1	0.2%	32.9	4	0.3%	131.7	759
21144	27,063	46	8.4%	170.0	44	6.9%	162.6	90	7.6%	332.6	300
21146	23,174	6	1.1%	25.9	15	2.4%	64.7	21	1.8%	90.6	1,103
21225	12,718	28	5.1%	220.2	43	6.8%	338.1	71	6.0%	558.3	179
21226	3,737	2	0.4%	53.5	0	0.0%	0.0	2	0.2%	53.5	1,868
21401	32,797	55	10.1%	167.7	91	14.4%	277.5	146	12.4%	445.2	224
21402	5,252	0	0.0%	0.0	1	0.2%	19.0	1	0.1%	19.0	5,252
21403	27,159	43	7.9%	158.3	62	9.8%	228.3	105	8.9%	386.6	258
21405	496	***	***	***	***	***	***	***	***	***	***
21409	17,348	7	1.3%	40.4	8	1.3%	46.1	15	1.3%	86.5	1,156
Unknown	--	8	1.5%	--	4	0.6%	--	12	1.0%	--	--
TOTAL	472,498	546	100.0%	115.6	634	100.0%	134.2	1,180	100.0%	249.7	400

*** Data withheld due to low population counts and/or case counts

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016

ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS										
JURISDICTION OF RESIDENCE	POPULATION AGE 13+	Residence at HIV Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio	
20711	5,931	13	1.1%	219.2	456	9	0.8%	152	659	-30.8%
20714	836	***	***	***	***	***	***	***	***	***
20724	13,855	82	6.9%	591.9	168	91	7.7%	656.8	152	11.0%
20733	2,379	4	0.3%	168.1	594	4	0.3%	168.1	594	0.0%
20736	9	***	***	***	***	***	***	***	***	***
20751	2,129	0	0.0%	0.0	0	2	0.2%	94.0	1,064	--
20754	927	***	***	***	***	***	***	***	***	***
20755	6,684	11	0.9%	164.6	607	7	0.6%	104.7	954	-36.4%
20758	666	***	***	***	***	***	***	***	***	***
20764	3,699	5	0.4%	135.2	739	4	0.3%	108.1	924	-20.0%
20765	499	***	***	***	***	***	***	***	***	***
20776	2,936	4	0.3%	136.2	734	8	0.7%	272.5	367	100.0%
20778	1,787	2	0.2%	111.9	893	1	0.1%	56.0	1,786	-50.0%
20779	1,064	1	0.1%	94.0	1,063	3	0.3%	282.0	354	200.0%
20794	6,594	21	1.8%	318.5	314	26	2.2%	394.3	253	23.8%
21012	18,706	23	1.9%	123.0	813	22	1.9%	117.6	850	-4.3%
21032	7,934	12	1.0%	151.3	661	11	0.9%	138.7	721	-8.3%
21035	6,878	5	0.4%	72.7	1,375	3	0.3%	43.6	2,292	-40.0%
21037	18,231	23	1.9%	126.2	792	27	2.3%	148.1	675	17.4%
21054	8,889	13	1.1%	146.3	683	8	0.7%	90.0	1,111	-38.5%
21056	251	***	***	***	***	***	***	***	***	***
21060	26,164	80	6.8%	305.8	327	102	8.7%	389.8	256	27.5%
21061	47,194	187	15.8%	396.2	252	190	16.2%	402.6	248	1.6%
21076	9,976	21	1.8%	210.5	475	35	3.0%	350.8	285	66.7%
21077	199	***	***	***	***	***	***	***	***	***
21090	8,928	14	1.2%	156.8	637	19	1.6%	212.8	469	35.7%
21108	15,530	19	1.6%	122.3	817	16	1.4%	103.0	970	-15.8%
21113	25,988	60	5.1%	230.9	433	69	5.9%	265.5	376	15.0%
21114	21,435	33	2.8%	154.0	649	33	2.8%	154.0	649	0.0%
21122	53,419	74	6.3%	138.5	721	70	6.0%	131.0	763	-5.4%
21140	3,036	4	0.3%	131.7	759	4	0.3%	131.7	759	0.0%
21144	27,063	90	7.6%	332.6	300	81	6.9%	299.3	334	-10.0%
21146	23,174	21	1.8%	90.6	1,103	20	1.7%	86.3	1,158	-4.8%
21225	12,718	71	6.0%	558.3	179	62	5.3%	487.5	205	-12.7%
21226	3,737	2	0.2%	53.5	1,868	3	0.3%	80.3	1,245	50.0%
21401	32,797	146	12.4%	445.2	224	118	10.0%	359.8	277	-19.2%
21402	5,252	1	0.1%	19.0	5,251	0	0.0%	0.0	--	-100.0%
21403	27,159	105	8.9%	386.6	258	90	7.7%	331.4	301	-14.3%
21405	496	***	***	***	***	***	***	***	***	***
21409	17,348	15	1.3%	86.5	1,156	27	2.3%	155.6	642	80.0%
Unknown	--	12	1.0%	--	--	5	0.4%	--	--	-58.3%
TOTAL	472,498	1,180	100.0%	249.7	400	1,175	100.0%	248.7	402	-0.4%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Percent Change: The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
20711	13	8	61.5%	450	0.0%	25.0%	37.5%	37.5%
20714	***	***	***	***	***	***	***	***
20724	82	51	62.2%	498	13.7%	23.5%	13.7%	49.0%
20733	4	***	***	***	***	***	***	***
20736	***	***	***	***	***	***	***	***
20751	0	--	--	--	--	--	--	--
20754	***	***	***	***	***	***	***	***
20755	11	***	***	***	***	***	***	***
20758	***	***	***	***	***	***	***	***
20764	5	***	***	***	***	***	***	***
20765	***	***	***	***	***	***	***	***
20776	4	***	***	***	***	***	***	***
20778	2	***	***	***	***	***	***	***
20779	1	***	***	***	***	***	***	***
20794	21	13	61.9%	428	15.4%	23.1%	15.4%	46.2%
21012	23	11	47.8%	549	18.2%	18.2%	9.1%	54.5%
21032	12	6	50.0%	543	16.7%	0.0%	33.3%	50.0%
21035	5	***	***	***	***	***	***	***
21037	23	11	47.8%	565	18.2%	18.2%	0.0%	63.6%
21054	13	7	53.8%	842	0.0%	0.0%	14.3%	85.7%
21056	***	***	***	***	***	***	***	***
21060	80	45	56.3%	545	17.8%	15.6%	13.3%	53.3%
21061	187	99	52.9%	550	9.1%	14.1%	23.2%	53.5%
21076	21	16	76.2%	682	0.0%	18.8%	18.8%	62.5%
21077	***	***	***	***	***	***	***	***
21090	14	7	50.0%	782	0.0%	14.3%	14.3%	71.4%
21108	19	10	52.6%	731	0.0%	20.0%	10.0%	70.0%
21113	60	29	48.3%	411	20.7%	17.2%	20.7%	41.4%
21114	33	18	54.5%	503	5.6%	16.7%	27.8%	50.0%
21122	74	47	63.5%	520	21.3%	10.6%	17.0%	51.1%
21140	4	***	***	***	***	***	***	***
21144	90	49	54.4%	598	4.1%	14.3%	14.3%	67.3%
21146	21	17	81.0%	490	5.9%	11.8%	35.3%	47.1%
21225	71	54	76.1%	499	20.4%	9.3%	20.4%	50.0%
21226	2	***	***	***	***	***	***	***
21401	146	86	58.9%	556	17.4%	10.5%	15.1%	57.0%
21402	1	***	***	***	***	***	***	***
21403	105	61	58.1%	560	3.3%	13.1%	16.4%	67.2%
21405	***	***	***	***	***	***	***	***
21409	15	8	53.3%	634	12.5%	0.0%	37.5%	50.0%
Unknown	12	6	50.0%	746	0.0%	16.7%	0.0%	83.3%
TOTAL	472,498	1,180	100.0%	249.7	400	1,363	100.0%	288.5

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
20711	13	6	46.2%	83.3%	101,660
20714	***	***	***	***	***
20724	82	54	65.9%	85.2%	10,590
20733	4	***	***	***	***
20736	***	***	***	***	***
20751	0	0	0.0%	--	--
20754	***	***	***	***	***
20755	11	***	***	***	***
20758	***	***	***	***	***
20764	5	***	***	***	***
20765	***	***	***	***	***
20776	4	***	***	***	***
20778	2	***	***	***	***
20779	1	***	***	***	***
20794	21	10	47.6%	90.0%	17,780
21012	23	10	43.5%	70.0%	67,608
21032	12	***	***	***	***
21035	5	***	***	***	***
21037	23	11	47.8%	90.9%	300
21054	13	8	61.5%	87.5%	2,291
21056	***	***	***	***	***
21060	80	43	53.8%	65.1%	21,380
21061	187	103	55.1%	71.8%	9,870
21076	21	10	47.6%	100.0%	--
21077	***	***	***	***	***
21090	14	6	42.9%	83.3%	25,704
21108	19	7	36.8%	57.1%	4,156
21113	60	24	40.0%	75.0%	90,665
21114	33	16	48.5%	68.8%	5,380
21122	74	48	64.9%	79.2%	11,485
21140	4	***	***	***	***
21144	90	45	50.0%	77.8%	15,180
21146	21	11	52.4%	90.9%	32,400
21225	71	46	64.8%	67.4%	43,402
21226	2	***	***	***	***
21401	146	82	56.2%	72.0%	11,782
21402	1	***	***	***	***
21403	105	60	57.1%	86.7%	1,507
21405	***	***	***	***	***
21409	15	10	66.7%	60.0%	10,728
Unknown	12	4	33.3%	100.0%	--
TOTAL	1,180	642	54.4%	76.5%	12,048

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

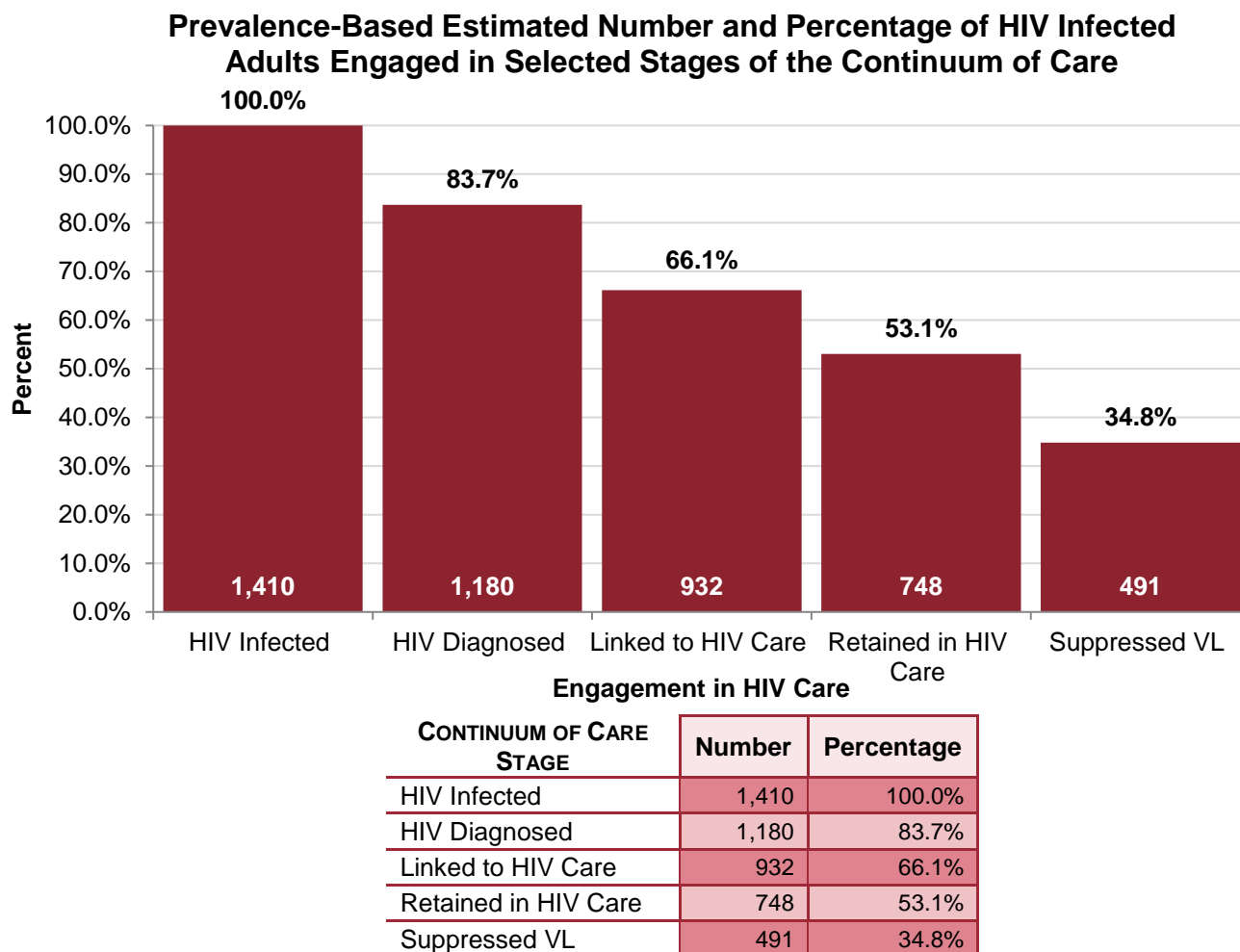
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Anne Arundel County Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)² to generate an estimated number of HIV infected persons in Anne Arundel County. It then uses local data to describe the number and percentage of persons living with HIV in Anne Arundel County who belong to each of the stages of engagement in HIV care.



HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

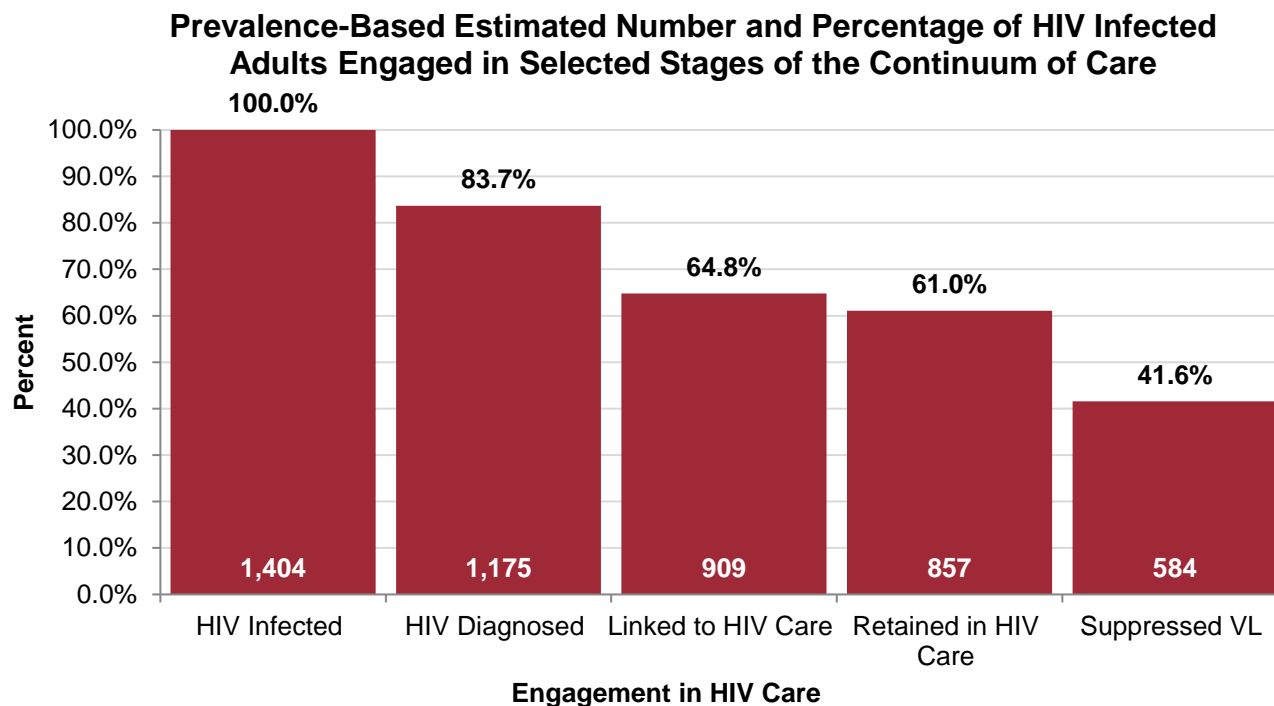
Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year, reported through 6/30/2016 of less than 200 copies per milliliter.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test and Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

² Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The prevalence-based Anne Arundel County Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)¹ to generate an estimated number of HIV infected persons in Anne Arundel County. It then uses local data for current Anne Arundel County residents to describe the number and percentage of persons living with HIV in Anne Arundel County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	1,404	100.0%
HIV Diagnosed	1,175	83.7%
Linked to HIV Care	909	64.8%
Retained in HIV Care	857	61.0%
Suppressed VL	584	41.6%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

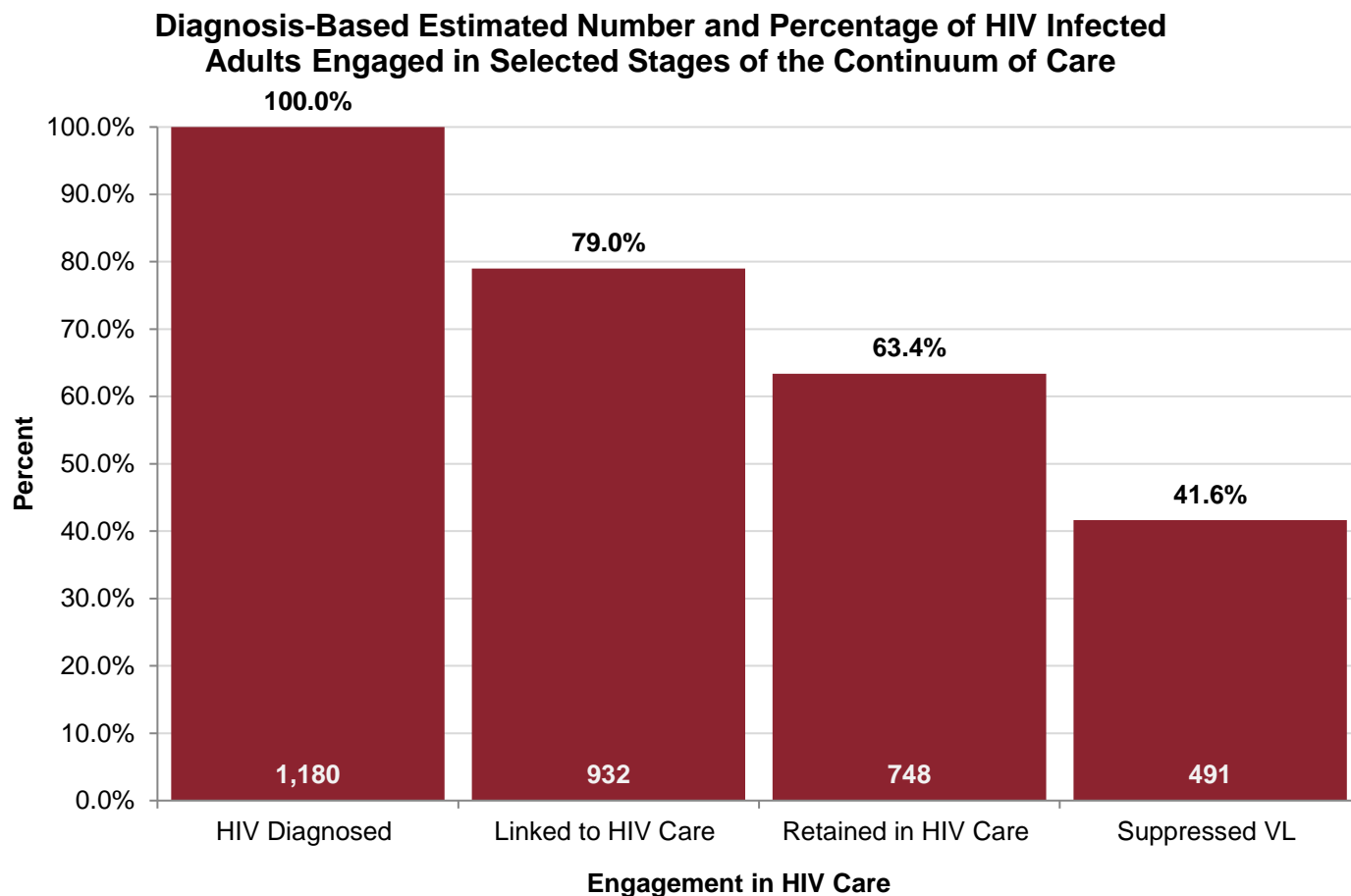
Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

¹ Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

The diagnosis-based Anne Arundel County Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in Anne Arundel County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	1,180	100.0%
Linked to HIV Care	932	79.0%
Retained in HIV Care	748	63.4%
Suppressed VL	491	41.6%

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

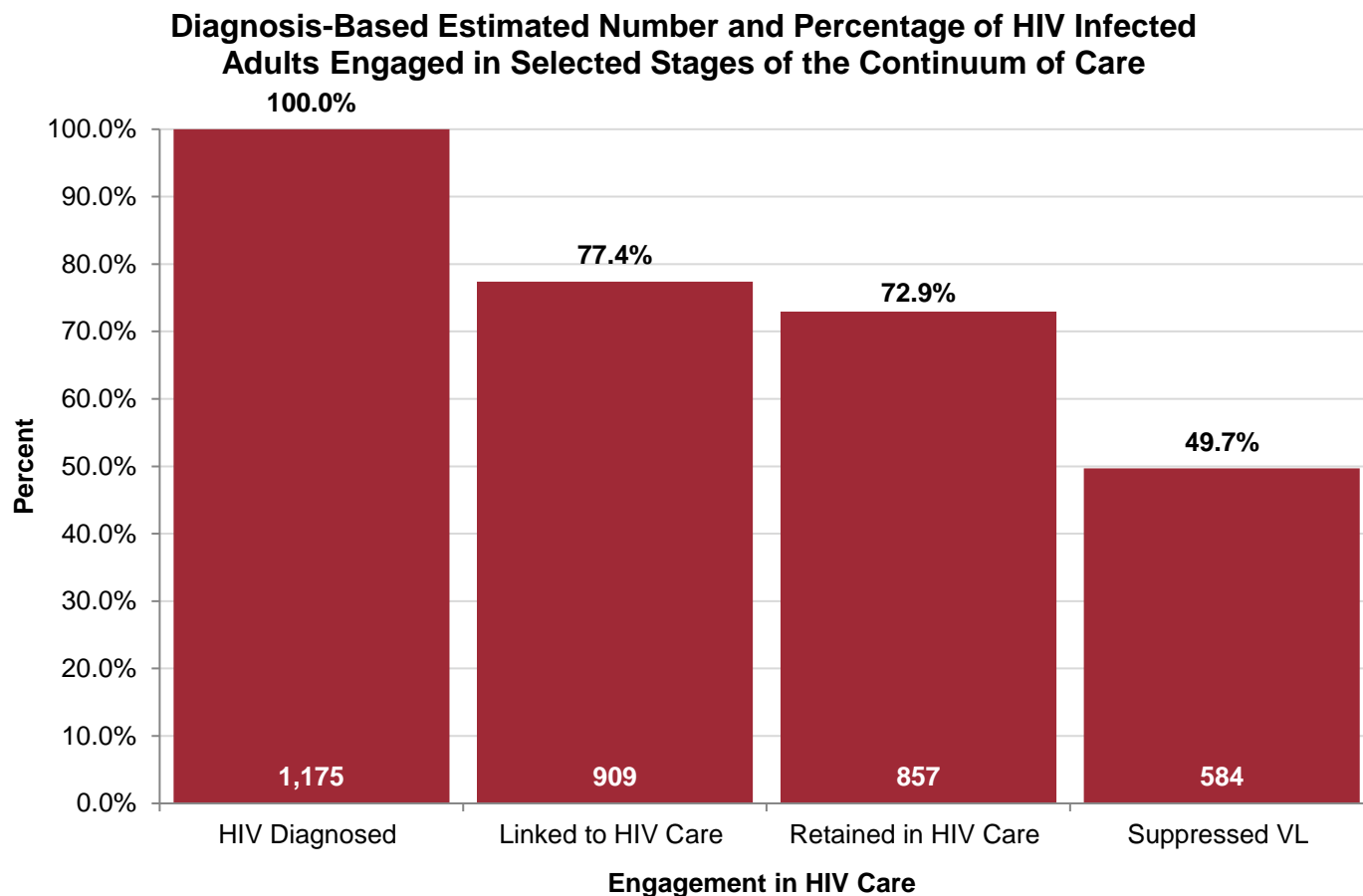
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The diagnosis-based Anne Arundel County Engagement in HIV Care Cascade (below) uses local data for current Anne Arundel County residents to describe the number and percentage of persons diagnosed with HIV in Anne Arundel County who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	1,175	100.0%
Linked to HIV Care	909	77.4%
Retained in HIV Care	857	72.9%
Suppressed VL	584	49.7%

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

Suppressed Viral Load: HIV Diagnosed with the most recent viral measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

For additional information regarding current residence please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Section IV – Cases by Age

Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
<5 (Pediatric)	35,492	0	0.0%	0.0	--	--	--	--		--	--	--
5-12 (Pediatric)	56,205	0	0.0%	0.0	--	--	--	--		--	--	--
13-19	47,884	2	3.2%	4.2	***	***	***	***		***	***	***
20-29	77,400	19	30.6%	24.5	13	68.4%	***	***		12	63.2%	373
30-39	78,128	17	27.4%	21.8	14	82.4%	5	29.4%		14	82.4%	361
40-49	75,491	10	16.1%	13.2	8	80.0%	***	***		9	90.0%	238
50-59	83,443	10	16.1%	12.0	8	80.0%	***	***		9	90.0%	306
60+	110,152	4	6.5%	3.6	***	***	***	***		***	***	***
TOTAL	564,195	62	100.0%	11.0	49	79.0%	16	25.8%		50	80.6%	345

*** Data withheld due to low population counts and/or case counts

Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	35,492	0	0.0%	0.0	--	--
5-12 (Pediatric)	56,205	0	0.0%	0.0	--	--
13-19	47,884	0	0.0%	0.0	--	--
20-29	77,400	3	10.0%	3.9	***	***
30-39	78,128	8	26.7%	10.2	2.6	62.5%
40-49	75,491	7	23.3%	9.3	5.2	57.1%
50-59	83,443	10	33.3%	12.0	4.5	40.0%
60+	110,152	2	6.7%	1.8	***	***
TOTAL	564,195	30	100.0%	5.3	3.8	56.7%

*** Data withheld due to low population counts and/or case counts

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	35,492	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
5-12	56,205	1	0.2%	1.8	1	0.2%	1.8	2	0.2%	3.6	28,102
13-19	47,884	8	1.4%	16.7	3	0.5%	6.3	11	0.9%	23.0	4,353
20-29	77,400	107	19.3%	138.2	32	4.9%	41.3	139	11.6%	179.6	556
30-39	78,128	108	19.5%	138.2	88	13.6%	112.6	196	16.3%	250.9	398
40-49	75,491	124	22.3%	164.3	181	28.0%	239.8	305	25.4%	404.0	247
50-59	83,443	147	26.5%	176.2	235	36.3%	281.6	382	31.8%	457.8	218
60+	110,152	60	10.8%	54.5	107	16.5%	97.1	167	13.9%	151.6	659
TOTAL	564,195	555	100.0%	98.4	647	100.0%	114.7	1,202	100.0%	213.0	469

Age on [date]: Age group of living cases on the specified date.

Population: Population estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	4	***	***	***	***	***	***	***
20-29	129	***	***	***	***	***	***	***
30-39	193	114	59.1%	525	12.3%	15.8%	21.1%	50.9%
40-49	305	164	53.8%	561	11.6%	12.2%	17.1%	59.1%
50-59	382	226	59.2%	511	14.2%	14.2%	20.4%	51.3%
60+	167	99	59.3%	619	12.1%	14.1%	9.1%	64.6%
TOTAL	1,180	683	57.9%	550	12.0%	13.8%	18.3%	55.9%

*** Data withheld due to low population counts and/or case counts

Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	4	***	***	***	***
20-29	129	***	***	***	***
30-39	193	107	55.4%	68.2%	11,624
40-49	305	161	52.8%	83.2%	5,473
50-59	382	211	55.2%	82.9%	18,325
60+	167	85	50.9%	81.2%	4,803
TOTAL	1,180	642	54.4%	76.5%	12,048

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age on [date]: Age group of living cases on the specified date.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section V – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Male	232,668	48	77.4%	20.6	40	83.3%	***	***	41	85.4%	361
Female	239,830	14	22.6%	5.8	9	64.3%	***	***	9	64.3%	272
TOTAL	472,498	62	100.0%	13.1	49	79.0%	16	25.8%	50	80.6%	345

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Hispanic	29,876	2	3.2%	6.7	2	100.0%	1	50.0%	2	100.0%	255
Non-Hispanic	442,622	60	96.8%	13.6	47	78.3%	15	25.0%	48	80.0%	345
American Indian/Alaska Native, only	1,275	0	0.0%	0.0	--	--	--	--	--	--	--
Asian, only	18,658	0	0.0%	0.0	--	--	--	--	--	--	--
Black, only	75,446	42	67.7%	55.7	32	76.2%	10	23.8%	31	73.8%	306
Native Hawaiian/ Other Pacific Islander, only	397	0	0.0%	0.0	--	--	--	--	--	--	--
White only	337,810	15	24.2%	4.4	***	***	***	***	***	***	***
Multiracial/ Other	9,037	3	4.8%	33.2	***	***	***	***	***	***	***
TOTAL	472,498	62	100.0%	13.1	49	79.0%	16	25.8%	50	80.6%	345

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
United States	417,419	44	71.0%	0.0	35	79.5%	10	22.7%	36	81.8%	373
Foreign-born	41,661	5	8.1%	0.0	4	80.0%	3	60.0%	4	80.0%	98
Africa	--	4	6.5%	--	***	***	***	***	***	***	***
Asia	--	0	0.0%	--	--	--	--	--	--	--	--
Caribbean	--	0	0.0%	--	--	--	--	--	--	--	--
Central America	--	0	0.0%	--	--	--	--	--	--	--	--
Other	--	1	1.6%	--	***	***	***	***	***	***	***
Unknown	--	13	21.0%	--	10	76.9%	3	23.1%	10	76.9%	282
TOTAL	459,080	62	100.0%	0.0	49	79.0%	16	25.8%	50	80.6%	345

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	232,668	23	76.7%	9.9	3.8	56.5%
Female	239,830	7	23.3%	2.9	3.6	57.1%
TOTAL	472,498	30	100.0%	6.3	3.8	56.7%

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	29,876	2	6.7%	6.7	2.5	50.0%
Non-Hispanic	442,622	28	93.3%	6.3	3.9	57.1%
American Indian/Alaska Native, only	1,275	0	0.0%	0.0	--	--
Asian, only	18,658	0	0.0%	0.0	--	--
Black, only	75,446	20	66.7%	26.5	3.9	55.0%
Native Hawaiian/Other Pacific Islander, only	397	0	0.0%	0.0	--	--
White only	337,810	7	23.3%	2.1	4.5	57.1%
Multiracial/Other	9,037	1	3.3%	11.1	0.1	100.0%
TOTAL	472,498	30	100.0%	6.3	3.8	56.7%

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	417,419	23	76.7%	5.5	4.7	47.8%
Foreign-born	41,661	4	13.3%	9.6	***	***
Africa	--	3	10.0%	--	***	***
Asia	--	0	0.0%	--	--	--
Caribbean	--	0	0.0%	--	--	--
Central America	--	1	3.3%	--	***	***
Other	--	0	0.0%	--	--	--
Unknown	--	3	10.0%	--	0.1	100.0%
TOTAL	459,080	30	100.0%	6.5	3.8	56.7%

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	232,668	383	70.1%	164.6	444	70.0%	190.8	827	70.1%	355.4	281
Female	239,830	163	29.9%	68.0	190	30.0%	79.2	353	29.9%	147.2	679
TOTAL	472,498	546	100.0%	115.6	634	100.0%	134.2	1,180	100.0%	249.7	400

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Hispanic	29,876	31	5.7%	103.8	60	9.5%	200.8	91	7.7%	304.6	328
Non-Hispanic	442,622	515	94.3%	116.4	574	90.5%	129.7	1,089	92.3%	246.0	406
American Indian/Alaska Native, only	1,275	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
Asian, only	18,658	***	***	***	***	***	***	***	***	***	***
Black, only	75,446	284	52.0%	376.4	361	56.9%	478.5	645	54.7%	854.9	116
Native Hawaiian/Other Pacific Islander, only	397	***	***	***	***	***	***	***	***	***	***
White only	337,810	198	36.3%	58.6	163	25.7%	48.3	361	30.6%	106.9	935
Multiracial/Other	9,037	29	5.3%	320.9	49	7.7%	542.2	78	6.6%	863.1	115
TOTAL	472,498	546	100.0%	115.6	634	100.0%	134.2	1,180	100.0%	249.7	400

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
United States	417,419	486	89.0%	116.4	573	90.4%	137.3	1,059	89.7%	253.7	394
Foreign-born	41,661	29	5.3%	69.6	52	8.2%	124.8	81	6.9%	194.4	514
Africa	--	10	1.8%	--	17	2.7%	--	27	2.3%	--	--
Asia	--	4	0.7%	--	5	0.8%	--	9	0.8%	--	--
Caribbean	--	2	0.4%	--	2	0.3%	--	4	0.3%	--	--
Central America	--	8	1.5%	--	25	3.9%	--	33	2.8%	--	--
Other	--	5	0.9%	--	3	0.5%	--	8	0.7%	--	--
Unknown	--	31	5.7%	--	9	1.4%	--	40	3.4%	--	--
TOTAL	459,080	546	100.0%	118.9	634	100.0%	138.1	1,180	100.0%	257.0	389

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	827	472	57.1%	530	12.1%	14.8%	19.1%	54.0%
Female	353	211	59.8%	588	11.8%	11.4%	16.6%	60.2%
TOTAL	1,180	683	57.9%	550	12.0%	13.8%	18.3%	55.9%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	91	54	59.3%	549	7.4%	16.7%	16.7%	59.3%
Non-Hispanic	1,089	629	57.8%	550	12.4%	13.5%	18.4%	55.6%
American Indian/Alaska Native, only	0	0	0.0%	--	0.0%	0.0%	0.0%	0.0%
Asian, only	***	***	***	***	***	***	***	***
Black, only	645	381	59.1%	528	12.9%	15.5%	17.8%	53.8%
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***	***	***	***
White only	361	195	54.0%	636	9.7%	10.3%	17.4%	62.6%
Multiracial/Other	78	50	64.1%	431	20.0%	12.0%	28.0%	40.0%
TOTAL	1,180	683	57.9%	550	12.0%	13.8%	18.3%	55.9%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	1,059	621	58.6%	559	11.8%	13.0%	18.7%	56.5%
Foreign-born	81	44	54.3%	511	11.4%	22.7%	13.6%	52.3%
Africa	27	15	55.6%	567	20.0%	20.0%	6.7%	53.3%
Asia	9	***	***	***	***	***	***	***
Caribbean	4	***	***	***	***	***	***	***
Central America	33	20	60.6%	450	10.0%	25.0%	20.0%	45.0%
Other	8	4	50.0%	878	0.0%	25.0%	0.0%	75.0%
Unknown	40	18	45.0%	476	22.2%	16.7%	16.7%	44.4%
TOTAL	1,180	683	57.9%	550	12.0%	13.8%	18.3%	55.9%

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	827	438	53.0%	78.1%	12,699
Female	353	204	57.8%	73.0%	5,607
TOTAL	1,180	642	54.4%	76.5%	12,048

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	91	52	57.1%	84.6%	14,492
Non-Hispanic	1,089	590	54.2%	75.8%	11,782
American Indian/Alaska Native, only	0	0	0.0%	0.0%	--
Asian, only	***	***	***	***	***
Black, only	645	358	55.5%	72.9%	8,710
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***
White only	361	187	51.8%	82.4%	11,200
Multiracial/Other	78	42	53.8%	69.0%	30,903
TOTAL	1,180	642	54.4%	76.5%	12,048

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	1,059	577	54.5%	76.8%	11,491
Foreign-born	81	42	51.9%	81.0%	7,625
Africa	27	13	48.1%	76.9%	3,201
Asia	9	***	***	***	***
Caribbean	4	***	***	***	***
Central America	33	20	60.6%	75.0%	12,048
Other	8	4	50.0%	100.0%	--
Unknown	40	23	57.5%	60.9%	59,926
TOTAL	1,180	642	54.4%	76.5%	12,048

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

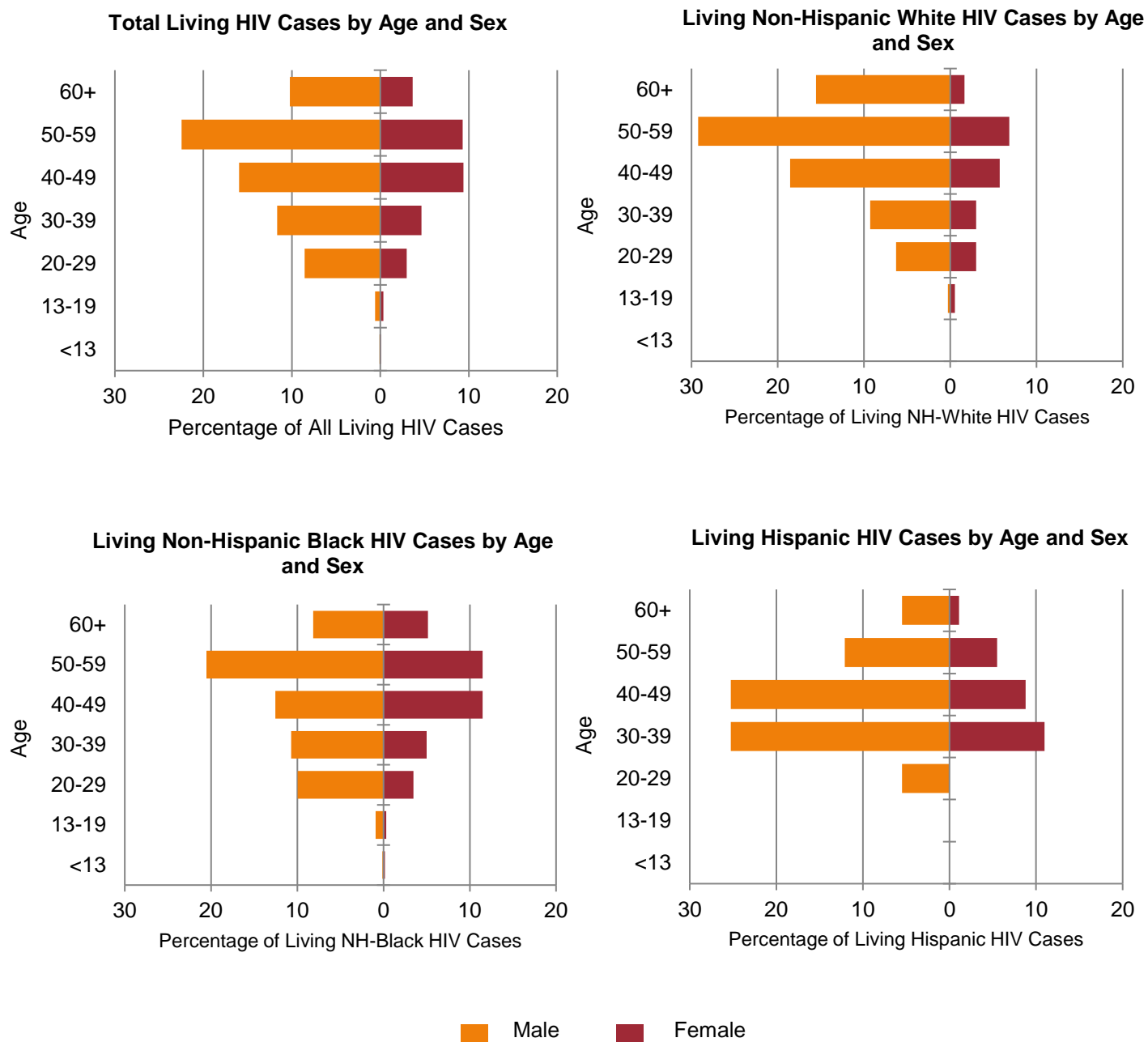
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year, reported through 6/30/2016 of 200 copies per milliliter or greater.

Section VI – HIV Cases by Expanded Demographics

Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016



Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

MALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	5,750	8,512	28,100	4,612	46,974
	Cases	0	1	0	0	1
	Rate	0.0	11.7	0.0	0.0	2.1
	Ratio (1 in X)	--	8,512	--	--	46,974
13-19	Population	2,221	4,572	15,949	2,028	24,770
	Cases	0	6	1	0	7
	Rate	0.0	131.2	6.3	0.0	28.3
	Ratio (1 in X)	--	762	15,949	--	3,538
20-29	Population	3,748	7,292	26,845	3,040	40,925
	Cases	5	66	23	9	103
	Rate	133.4	905.1	85.7	296.1	251.7
	Ratio (1 in X)	749	110	1,167	337	397
30-39	Population	4,333	7,082	25,222	2,813	39,450
	Cases	23	71	34	12	140
	Rate	530.8	1,002.5	134.8	426.6	354.9
	Ratio (1 in X)	188	99	741	234	281
40-49	Population	2,726	6,427	25,765	2,125	37,043
	Cases	23	83	68	18	192
	Rate	843.7	1,291.4	263.9	847.1	518.3
	Ratio (1 in X)	118	77	378	118	192
50-59	Population	1,472	5,825	31,449	1,826	40,572
	Cases	11	136	107	16	270
	Rate	747.3	2,334.8	340.2	876.2	665.5
	Ratio (1 in X)	133	42	293	114	150
60+	Population	1,002	5,320	41,723	1,863	49,908
	Cases	5	54	57	7	123
	Rate	499.0	1,015.0	136.6	375.7	246.5
	Ratio (1 in X)	200	98	731	266	405
TOTAL MALES BY RACE/ETHNICITY	Population	21,252	45,030	195,053	18,307	279,642
	Cases	67	417	290	62	836
	Rate	315.3	926.0	148.7	338.7	299.0
	Ratio (1 in X)	317	107	672	295	334

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

FEMALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	5,619	8,159	26,434	4,510	44,723
	Cases	0	1	0	0	1
	Rate	0.0	12.3	0.0	0.0	2.2
	Ratio (1 in X)	--	8,159	--	--	44,723
13-19	Population	2,103	4,321	14,618	2,073	23,114
	Cases	0	2	2	0	4
	Rate	0.0	46.3	13.7	0.0	17.3
	Ratio (1 in X)	--	2,160	7,308	--	5,778
20-29	Population	3,293	6,540	23,672	2,970	36,475
	Cases	0	23	11	2	36
	Rate	0.0	351.7	46.5	67.3	98.7
	Ratio (1 in X)	--	284	2,152	1,485	1,013
30-39	Population	3,648	7,313	24,638	3,079	38,678
	Cases	10	33	11	2	56
	Rate	274.1	451.3	44.6	65.0	144.8
	Ratio (1 in X)	364	221	2,239	1,539	690
40-49	Population	2,572	6,950	26,347	2,579	38,448
	Cases	8	76	21	8	113
	Rate	311.0	1,093.5	79.7	310.2	293.9
	Ratio (1 in X)	321	91	1,254	322	340
50-59	Population	1,461	6,522	32,519	2,369	42,871
	Cases	5	76	25	6	112
	Rate	342.2	1,165.3	76.9	253.3	261.2
	Ratio (1 in X)	292	85	1,300	394	382
60+	Population	1,297	7,282	49,063	2,602	60,244
	Cases	1	34	6	3	44
	Rate	77.1	466.9	12.2	115.3	73.0
	Ratio (1 in X)	1,297	214	8,177	867	1,369
TOTAL FEMALES BY RACE/ETHNICITY	Population	19,993	47,087	197,291	20,182	284,553
	Cases	24	245	76	21	366
	Rate	120.0	520.3	38.5	104.1	128.6
	Ratio (1 in X)	833	192	2,595	961	777

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Section VII – HIV Exposure Category

Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
With Exposure*	37	100.0%	33	89.2%	10	27.0%	33	89.2%	373
Men who have Sex with Men (MSM)	21	56.8%	18	85.7%	***	***	17	81.0%	582
Injection Drug Users (IDU)	5	13.5%	***	***	***	***	5	100.0%	476
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	11	29.7%	***	***	***	***	11	100.0%	205
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	25		16	64.0%	6	24.0%	17	68.0%	308
TOTAL	62		49	79.0%	16	25.8%	50	80.6%	345

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
With Exposure*	28	100.0%	24	85.7%	6	21.4%	24	85.7%	403
Men who have Sex with Men (MSM)	21	75.0%	18	85.7%	***	***	17	81.0%	582
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	20		16	80.0%	6	30.0%	17	85.0%	308
TOTAL	48		40	83.3%	12	25.0%	41	85.4%	361

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
With Exposure*	9	100.0%	9	100.0%	4	44.4%	9	100.0%	272
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	5		***	***	***	***	***	***	***
TOTAL	14		9	64.3%	4	28.6%	9	64.3%	272

* 2015 reported HIV exposure data are preliminary

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure*	21	100.0%	4.4	52.4%
Men who have Sex with Men (MSM)	8	38.1%	6.2	37.5%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	10	47.6%	4.1	50.0%
Other Exposures	***	***	***	***
No Reported Exposure	9		2.5	66.7%
TOTAL	30		3.8	56.7%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure*	16	100.0%	5.0	43.8%
Men who have Sex with Men (MSM)	8	50.0%	6.2	37.5%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	5	31.3%	5.9	20.0%
Other Exposures	***	***	***	***
No Reported Exposure	7		1.2	85.7%
TOTAL	23		3.8	56.5%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure*	5	100.0%	2.2	80.0%
Injection Drug Users (IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	5	100.0%	2.2	80.0%
Other Exposures	0	0.0%	--	--
No Reported Exposure	2		7.0	0.0%
TOTAL	7		3.6	57.1%

* 2015 reported HIV exposure data are preliminary

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	406	100.0%	557	100.0%	963	100.0%
Men who have Sex with Men (MSM)	234	57.6%	225	40.4%	459	47.7%
Injection Drug Users (IDU)	38	9.4%	104	18.7%	142	14.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	10	2.5%	17	3.1%	27	2.8%
Heterosexual Exposure (HET)	122	30.0%	206	37.0%	328	34.1%
Other Exposures	2	0.5%	5	0.9%	7	0.7%
No Reported Exposure*	140		77		217	
TOTAL	546		634		1,180	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	300	100.0%	387	100.0%	687	100.0%
Men who have Sex with Men (MSM)	234	78.0%	225	58.1%	459	66.8%
Injection Drug Users (IDU)	18	6.0%	65	16.8%	83	12.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	10	3.3%	17	4.4%	27	3.9%
Heterosexual Exposure (HET)	37	12.3%	78	20.2%	115	16.7%
Other Exposures	1	0.3%	2	0.5%	3	0.4%
No Reported Exposure	83		57		140	
TOTAL	383		444		827	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	106	100.0%	170	100.0%	276	100.0%
Injection Drug Users (IDU)	20	18.9%	39	22.9%	59	21.4%
Heterosexual Exposure (HET)	85	80.2%	128	75.3%	213	77.2%
Other Exposures	1	0.9%	3	1.8%	4	1.4%
No Reported Exposure*	57		20		77	
TOTAL	163		190		353	

* Includes 2 HIV cases without AIDS and 5 HIV cases with AIDS with Presumed Female Heterosexual exposure

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	76	100.0%	507	100.0%	305	100.0%
Men who have Sex with Men (MSM)	34	44.7%	192	37.9%	200	65.6%
Injection Drug Users (IDU)	***	***	83	16.4%	43	14.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	13	2.6%	6	2.0%
Heterosexual Exposure (HET)	38	50.0%	216	42.6%	53	17.4%
Other Exposures	1	1.3%	3	0.6%	3	1.0%
No Reported Exposure*	15		138		56	
TOTAL	91		645		361	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	53	100.0%	332	100.0%	246	100.0%
Men who have Sex with Men (MSM)	34	64.2%	192	57.8%	200	81.3%
Injection Drug Users (IDU)	0	0.0%	56	16.9%	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	13	3.9%	***	***
Heterosexual Exposure (HET)	***	***	70	21.1%	20	8.1%
Other Exposures	0	0.0%	1	0.3%	2	0.8%
No Reported Exposure	14		79		41	
TOTAL	67		411		287	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	23	100.0%	175	100.0%	59	100.0%
Injection Drug Users (IDU)	***	***	27	15.4%	25	42.4%
Heterosexual Exposure (HET)	***	***	146	83.4%	33	55.9%
Other Exposures	1	4.3%	2	1.1%	1	1.7%
No Reported Exposure*	1		59		15	
TOTAL	24		234		74	

* Includes 6 non-Hispanic black cases and 1 non-Hispanic white case with Presumed Female Heterosexual exposure

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	963	584	60.6%	560	12.2%	14.2%	17.3%	56.3%
Men who have Sex with Men (MSM)	459	267	58.2%	593	9.7%	12.7%	16.5%	61.0%
Injection Drug Users (IDU)	142	82	57.7%	494	15.9%	13.4%	22.0%	48.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	27	13	48.1%	508	30.8%	0.0%	15.4%	53.8%
Heterosexual Exposure (HET)	328	217	66.2%	542	12.9%	16.6%	16.6%	53.9%
Other Exposures	7	5	71.4%	411	0.0%	40.0%	20.0%	40.0%
No Reported Exposure*	217	99	45.6%	517	11.1%	11.1%	24.2%	53.5%
TOTAL	1,180	683	57.9%	550	12.0%	13.8%	18.3%	55.9%

* Includes 7 cases with Presumed Female Heterosexual exposure

Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	963	548	56.9%	76.1%	12,023
Men who have Sex with Men (MSM)	459	252	54.9%	81.7%	10,826
Injection Drug Users (IDU)	142	78	54.9%	65.4%	11,200
Men who have Sex with Men and Inject Drugs (MSM/IDU)	27	8	29.6%	50.0%	37,850
Heterosexual Exposure (HET)	328	206	62.8%	73.8%	11,331
Other Exposures	7	4	57.1%	100.0%	--
No Reported Exposure*	217	94	43.3%	78.7%	15,559
TOTAL	1,180	642	54.4%	76.5%	12,048

* Includes 7 cases with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

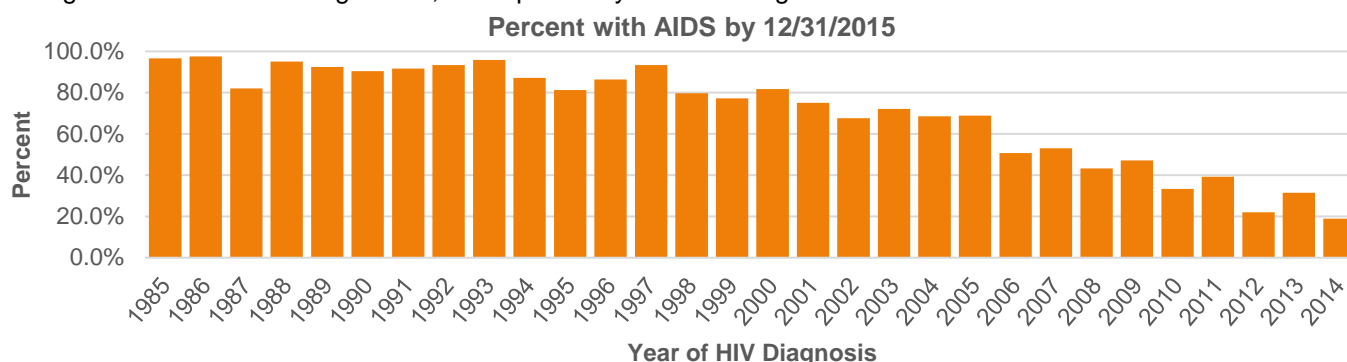
Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016

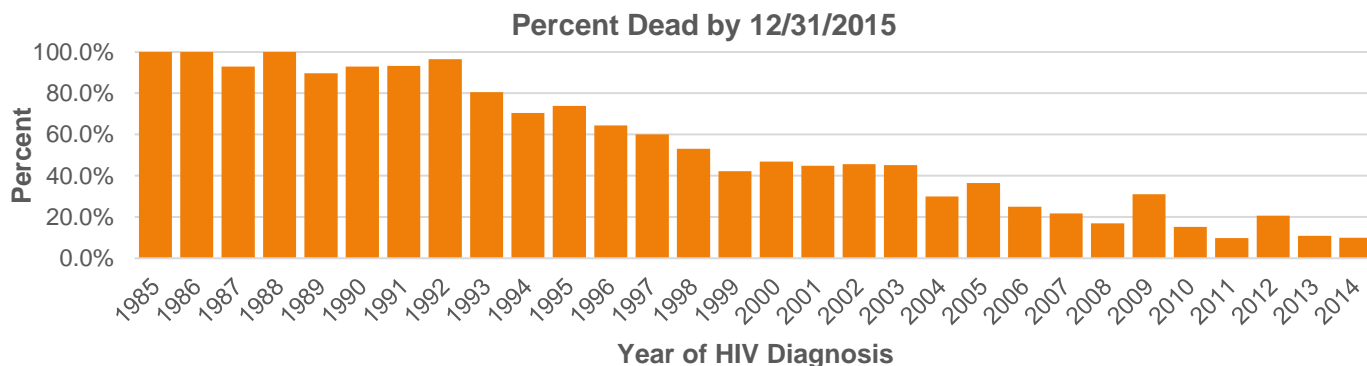
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2014 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2015 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2015, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	12	12	100.0%	6.8	41.7%	41.7%	41.7%	75.0%
1985	29	28	96.6%	5.5	44.8%	44.8%	51.7%	86.2%
1986	40	39	97.5%	3.7	40.0%	40.0%	57.5%	97.5%
1987	50	41	82.0%	4.8	32.0%	36.0%	44.0%	72.0%
1988	61	58	95.1%	4.5	36.1%	41.0%	62.3%	83.6%
1989	66	61	92.4%	3.3	48.5%	54.5%	68.2%	83.3%
1990	74	67	90.5%	3.5	41.9%	47.3%	66.2%	86.5%
1991	72	66	91.7%	3.0	43.1%	52.8%	76.4%	87.5%
1992	76	71	93.4%	2.9	55.3%	61.8%	77.6%	84.2%
1993	71	68	95.8%	2.4	56.3%	60.6%	76.1%	95.8%
1994	62	54	87.1%	2.7	51.6%	61.3%	71.0%	79.0%
1995	64	52	81.3%	1.6	59.4%	65.6%	71.9%	76.6%
1996	66	57	86.4%	1.8	68.2%	72.7%	74.2%	81.8%
1997	45	42	93.3%	1.5	62.2%	71.1%	84.4%	93.3%
1998	69	55	79.7%	1.8	55.1%	58.0%	68.1%	76.8%
1999	57	44	77.2%	2.0	57.9%	57.9%	63.2%	73.7%
2000	60	49	81.7%	1.8	65.0%	66.7%	71.7%	76.7%
2001	68	51	75.0%	1.4	55.9%	61.8%	69.1%	72.1%
2002	68	46	67.6%	1.9	47.1%	51.5%	57.4%	64.7%
2003	68	49	72.1%	1.3	55.9%	60.3%	66.2%	70.6%
2004	70	48	68.6%	1.6	51.4%	52.9%	60.0%	65.7%
2005	61	42	68.9%	1.4	52.5%	55.7%	60.7%	68.9%
2006	73	37	50.7%	1.1	39.7%	39.7%	46.6%	--
2007	83	44	53.0%	1.3	34.9%	37.3%	49.4%	--
2008	90	39	43.3%	1.1	33.3%	36.7%	40.0%	--
2009	72	34	47.2%	0.9	36.1%	40.3%	45.8%	--
2010	66	22	33.3%	0.5	28.8%	28.8%	--	--
2011	56	22	39.3%	0.1	39.3%	39.3%	--	--
2012	41	9	22.0%	0.7	17.1%	19.5%	--	--
2013	54	17	31.5%	0.1	31.5%	31.5%	--	--
2014	53	10	18.9%	0.1	18.9%	--	--	--
TOTAL	1,897	1,334	70.3%	2.3	45.7%	49.3%	58.1%	67.1%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/14 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2015 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2015, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



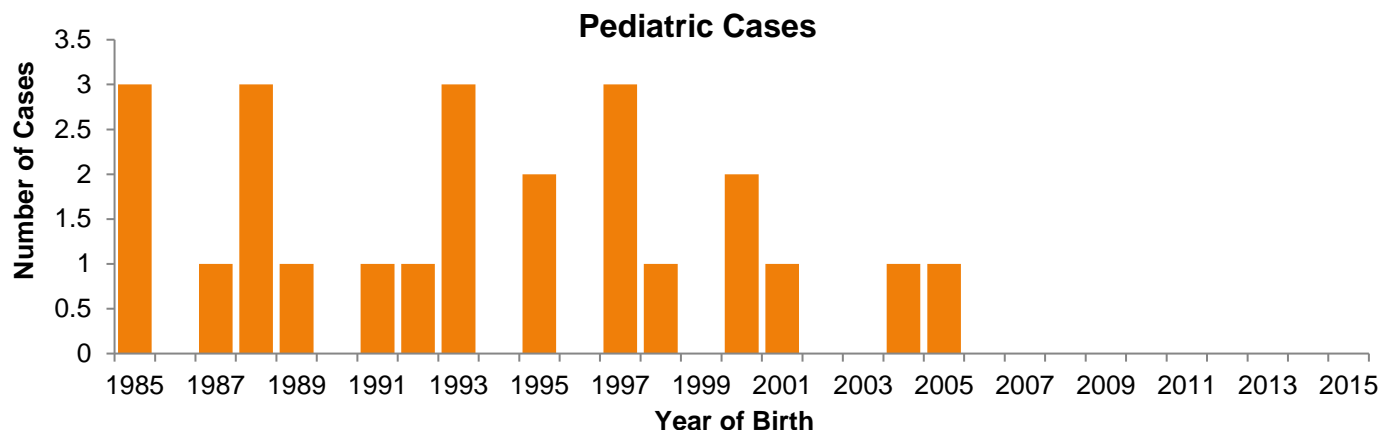
YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	5	5	100.0%	0.6	20.0%	20.0%	0.0%	0.0%
1985	12	12	100.0%	2.7	41.7%	16.7%	8.3%	8.3%
1986	15	15	100.0%	3.5	80.0%	53.3%	13.3%	6.7%
1987	14	13	92.9%	1.5	50.0%	21.4%	14.3%	7.1%
1988	26	26	100.0%	2.6	50.0%	34.6%	15.4%	3.8%
1989	29	26	89.7%	2.5	62.1%	48.3%	13.8%	13.8%
1990	42	39	92.9%	2.3	73.8%	42.9%	16.7%	9.5%
1991	45	42	93.3%	3.0	77.8%	53.3%	24.4%	13.3%
1992	57	55	96.5%	3.0	73.7%	47.4%	14.0%	12.3%
1993	77	62	80.5%	2.6	72.7%	50.6%	28.6%	24.7%
1994	54	38	70.4%	4.1	79.6%	64.8%	42.6%	40.7%
1995	65	48	73.8%	4.5	76.9%	63.1%	47.7%	38.5%
1996	59	38	64.4%	4.5	79.7%	69.5%	59.3%	44.1%
1997	40	24	60.0%	6.5	85.0%	80.0%	67.5%	60.0%
1998	49	26	53.1%	6.0	87.8%	85.7%	75.5%	59.2%
1999	45	19	42.2%	6.0	91.1%	84.4%	80.0%	66.7%
2000	47	22	46.8%	5.9	91.5%	87.2%	78.7%	66.0%
2001	49	22	44.9%	3.9	83.7%	75.5%	69.4%	59.2%
2002	46	21	45.7%	3.8	84.8%	78.3%	67.4%	58.7%
2003	51	23	45.1%	3.3	84.3%	78.4%	66.7%	56.9%
2004	60	18	30.0%	4.2	90.0%	90.0%	80.0%	75.0%
2005	44	16	36.4%	3.0	86.4%	81.8%	75.0%	63.6%
2006	44	11	25.0%	2.7	90.9%	86.4%	79.5%	--
2007	46	10	21.7%	2.7	93.5%	89.1%	84.8%	--
2008	53	9	17.0%	1.5	88.7%	88.7%	84.9%	--
2009	45	14	31.1%	2.1	84.4%	82.2%	75.6%	--
2010	33	5	15.2%	1.2	90.9%	87.9%	--	--
2011	41	4	9.8%	2.5	97.6%	97.6%	--	--
2012	29	6	20.7%	1.6	93.1%	89.7%	--	--
2013	37	4	10.8%	1.0	94.6%	89.2%	--	--
2014*	20	2	10.0%	0.6	90.0%	--	--	--
TOTAL	1,279	675	52.8%	3.5	82.4%	72.5%	59.3%	52.5%

* 2014 reported AIDS deaths are preliminary

Section IX – Pediatric Cases

Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2015, as Reported by Name through 6/30/2016



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	6	0	0	0	
1985	3	2	1	0	1
1986	0	1	1	1	1
1987	1	2	1	0	3
1988	3	3	1	0	6
1989	1	1	1	0	7
1990	0	3	0	1	9
1991	1	0	2	0	8
1992	1	0	1	0	8
1993	3	4	1	0	13
1994	0	1	1	0	14
1995	2	2	1	2	13
1996	0	2	2	0	14
1997	3	2	2	0	16
1998	1	0	1	0	16
1999	0	1	1	1	16
2000	2	0	0	0	16
2001	1	0	1	0	15
2002	0	0	0	0	15
2003	0	0	0	0	15
2004	1	0	0	0	15
2005	1	0	0	0	15
2006	0	1	1	0	17
2007	0	5	0	0	22
2008	0	0	0	0	23
2009	0	0	0	0	23
2010	0	0	0	0	23
2011	0	0	0	1	23
2012	0	0	1	0	22
2013	0	0	0	0	22
2014	0	0	1	0	22
2015	0	0	0	1	22
TOTAL	30	30	21	7	

Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
20711	1	4.5%
20724	1	4.5%
21032	1	4.5%
21060	2	9.1%
21061	1	4.5%
21076	1	4.5%
21108	2	9.1%
21113	2	9.1%
21122	4	18.2%
21144	4	18.2%
21401	2	9.1%
21403	1	4.5%
TOTAL	22	100.0%

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	9	40.9%
Female	13	59.1%
TOTAL	22	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	0	0.0%
Non-Hispanic	22	100.0%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	17	77.3%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	5	22.7%
Multiracial/Other	0	0.0%
TOTAL	22	100.0%

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living cases on the specified date.

AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Confirmed Perinatal HIV Transmissions: Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Live Births: Babies born alive in the general population.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Living HIV Cases without AIDS: Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median: The measure of central location, which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Percent with AIDS: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Perinatal HIV Transmission Rate: Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

Population: Population estimate for 7/1/2015.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Reported Perinatal HIV Exposures: Reported babies born to an HIV positive mother during the specified year.

Retained in HIV Care: HIV Diagnosed with a CD4 test result measured in the specified year, reported through 6/30/2016.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Women of Childbearing Age Total Living HIV cases: Reported HIV diagnoses among women of childbearing age (13-49 years old) on December 31st of the specified year